



# Product Evaluation

DR842 | 0317

Engineering Services Program

*The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.*

*For more information, contact TDI Engineering Services Program at (800) 248-6032.*

**Evaluation ID:** DR-842

**Effective Date:** March 1, 2017

**Re-evaluation Date:** September 2020

**Product Name:** Steel Flush Outswing Side Hinge Double Doors with Detex Hardware, Impact Resistant

**Manufacturer:** Deansteel Manufacturing Company, Inc.  
931 S. Flores Street  
San Antonio, TX 78204

## General Description:

System	Description	Design Pressure
1	Steel Flush Outswing Double Door; 18 Ga with Detex Hardware (XX)	+50/-50 psf
2	Steel Flush Outswing Double Door; 16 Ga with Detex Hardware (XX)	+60/-60 psf
3	Steel Flush Outswing Double Door; 18 Ga with Detex Hardware (XX)	+50/-40 psf
4	Steel Flush Outswing Double Door; 16 Ga with Detex Hardware (XX)	+60/-55 psf
5	Steel Flush Outswing Double Door; 18 Ga with Detex Hardware (XX)	+60/-50 psf

## Product Dimensions:

System	Overall Size	Panel
1	96" x 96"	47-3/4" x 95-1/2"
2	96" x 96"	47-3/4" x 95-1/2"
3	96" x 96"	47-3/4" x 95-1/2"
4	96" x 96"	47-3/4" x 95-1/2"
5	84" x 84"	41-3/4" x 83-1/8"

**Components and Hardware:**

System	Component	Quantity	Attachment Method
1, 2	Five Knuckle Hinge 4.5" x 4.5"x 0.134 Hager Series BB1168	4	Hardware and components must be installed in accordance with Deansteel Manufacturing Co. drawing No: DMC002, dated December 22, 2015, signed, dated & sealed by Hermes F. Norero P.E. on October 4, 2016.
	V40 Rim Panic Exit Device	1	
	H90R Removable Mullion Detex Pin 106076-2	1	
3, 4	Five Knuckle Hinge 4.5" x 4.5"x 0.134 Hager Series BB1168	4	Hardware and components must be installed in accordance with Deansteel Manufacturing Co. drawing No: DMC002, dated December 22, 2015, signed, dated & sealed by Hermes F. Norero P.E. on October 4, 2016.
	V50 Rim Panic Exit Device SVR (2 point)	1	
5	Five Knuckle Hinge 4.5" x 4.5"x 0.134 Hager Series BB1168	3	Hardware and components must be installed in accordance with Deansteel Manufacturing Co. drawing No: DMC002, dated December 22, 2015, signed, dated & sealed by Hermes F. Norero P.E. on October 4, 2016.
	V50 Rim Panic Exit Device SVR (2 point)	1	

**Product Identification:**

System		
1-5	Manufacturer's Name or Code Name	Deansteel
	Product Name	Steel Flush Outswing Doors
	Test Standards	ASTM E330-02, ASTM E1886-05, ASTM E1996-

**Impact Resistance:**

System	Impact Resistant	Requirement
1-5	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

**Acceptance of Smaller Assemblies:** Door assemblies with dimensions equal to, or smaller than those specified are acceptable with the limitations specified in this report.

**Installation:**

System		
1-5	Type of Installation	Doors must be installed in accordance with Deansteel Manufacturing Co. drawing No: DMC002, dated December 22, 2015, signed, dated & sealed by Hermes F. Norero P.E. on October 4, 2016.
	Wall Framing	
	Fasteners	
	Fastener Embedment	
	Fastener Location/Spacing	

**Note:** Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.